

EPA Aerial Survey

WHAT: Aerial radiological survey at the Welsbach and General Gas Mantle Superfund site (Welsbach/GGM) in Camden and Gloucester City, NJ. For more information about EPA's cleanup activities at the site see

<http://www.epa.gov/region02/superfund/npl/welsbach/index.html>.

WHEN: Saturday, April 18th sometime between noon and 4:00 p.m., pending air traffic control due to the proximity to the Philadelphia International Airport. EPA has contacted and obtained clearances from the Transportation Security Agency and the State of New Jersey.

WHERE: The survey area North boundary is Atlantic Avenue in Camden, NJ; South Boundary is the end of S. Broadway in Gloucester, NJ; East boundary is Interstate 76; and West boundary is the Delaware River.

WHY: EPA's *Airborne Spectral Photometric Environmental Collection Technology* (ASPECT; www.epaosc.net/aspect) Program initiated the Gamma Emergency Mapper (GEM) project in March 2008 (www.epaosc.net/aspectgem). The purpose of this project is to improve the US EPA airborne gamma-screening and mapping capability of ground-based gamma radiation. The detection technology was recently installed on the ASPECT aircraft, and the GEM project is currently conducting a series of calibrations to make this technology fully functional. The Camden and Gloucester City area was characterized by a Department of Energy gamma flyover in 1981. EPA, under the Superfund program, has cleaned up several areas at the Welsbach/GGM site that were identified by the 1981 flyover. This test survey will allow EPA to further calibrate the ASPECT/GEM technology, compare surveys from the past, and conduct operational checks of the GEM capabilities.



WHAT TO EXPECT: An Aero Command 680 FL aircraft will fly over the survey area in a pattern of 8 straight lines from North to South at 500 ft and 1,000 ft above ground level (AGL). Each flight path will be separated about 1,000 ft apart. You may see and hear this aircraft during the 500 ft AGL survey. During the 1,000 ft AGL survey, you may not notice anything unusual. The aircraft will be flying slowly, about 115 mph. Both surveys should take about 30 minutes to complete.

For additional information about this test survey or the ASPECT Program please contact:

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